

IN THE SPECIFICATION

Please replace the paragraph at page 8, lines 14-17, with the following rewritten paragraph:

A1 Further, the image processing is realized with an SIMD (Signal Single Instruction Multiple Data stream) processor. Accordingly, the image processing can be performed with high-speed arithmetic operation.

Please replace the paragraph beginning at page 18, line 25 through page 19, line 3, with the following rewritten paragraph:

A2 Each ~~components~~ component will be explained in detail. The read unit 201 for optically reading the paper includes a lamp, a mirror and a lens. The light radiated and reflected on the paper is focused on a photo-detector using the mirror and the lens.

Please replace the paragraph at page 20, lines 11-18, with the following rewritten paragraph:

A3 The operation panel 234 is used when indicating the processes to be performed by the image processing apparatus. For example, the type of the process (copy, facsimile transmission, image reading, printing or the like) and the number of papers to be processed are input. Thus, the operation ~~paned~~ panel 234 is used to input the image data control information. The details of the facsimile control unit 224 will be explained later.

Please replace the paragraph beginning at page 20, line 19 through page 21, line 3, with the following rewritten paragraph:

A4 Two jobs are performed with respect to the read image data. One is to accumulate and reuse the read image data in the memory module 222, and the other is not to accumulate

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C-13  
the image data in the memory module 222. Each job will be explained. An example of accumulating image data in the memory module 222 is the case in which ~~contains~~ contents of one paper are copied on a plurality of papers. In this case, the read unit 201 is operated only once, the image data read by the read unit 201 is accumulated in the memory module 222, and the image data thus accumulated are read out a plurality of times.

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Please replace the paragraph beginning at page 31, line 25 through page 32, line 7, with the following rewritten paragraph:

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As shown in Fig. 8, the video data control unit 205 additionally processes the input image data in accordance with the characteristic of the image formation unit 206.

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Specifically, the edge smoothing processing unit 801 rearranges the dots by the edge smooth processing, and the pulse control unit 802 carries out the pulse control of the image signal for forming dots, so that the image data subjected to these processing steps is output to the image formation unit 206.

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Please replace the paragraph beginning at page 34, lines 21-25, with the following rewritten paragraph:

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A6  
The image engine control unit 1000 comprises the system controller 231, the process controller 211 and the memory module 222 in the image memory control unit 102, and incorporates the image processor 204, the image memory access control unit 221 and the image data control unit 203 for bus control in one group.

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